程序代写代做CS编程辅导

1 Why a survival guide?

CS 115 is designed to the ach of all university students. There is no material in CS 115 that is beyond you have been sometimed as a substantial in CS is no reason that you should not succeed in it. However, the nature of compute the ach of all university students. There is no material in CS 115 that is beyond you have been substantial in CS is no reason that you should not succeed in it. However, the nature of compute the ach of all university students. There is no material in CS 115 that is beyond you have been substantial in CS 115 that is beyond you have be

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2 Course phills on the control of th

We designed CS 115 for students in diverse programs, keeping in mind the large range of possible ways in which computer science might be integrated into future studies. By choosing to focus on fundamental concepts and study part in Leth. We are groung students transfer that skills enough to build (rather then providing a shallow overview of the breadth of the field of computer science).

The material in CS 115 lends itself very nicely to being built up in successive layers, where a new layer is added or by the pre-tipus energy compared by positive pre-tipus energy compared by positive and property compared by property compared by positive and property compared by property c

When you use a Web browser, e-mailer, or other modern computer application, there's a lot going on behind the scenes. One of our goals is to have as little "magic" as possible. You might hear us saying "Know your tools." That means understanding not only what the tools do, but how they do it. In many cases, we will show how to implement built-in features of Scheme, rather than just describe them.

Each component of the course has tample to play lectures the textbook, labs, and assignments teach you the material and give you a chance to practice; assignments and the midterm provide diagnostics, giving you feedback on whether or not you are on the right track; and assignments, the midterm, and the final are used for assessment (computing your mark in the course).

Lectures illustrate concepts and techniques; labs and assignments give you practice in those concepts and techniques, strengthening your existing skills and teaching you new ones. Most of the learning in CS 115 takes place through your working through problems on your own. In many cases the final answer isn't particularly relevant; it's going through the process of arriving at the final answer that's important. Doing the labs and assignments is the key to doing well in the course. Skipping labs and assignments would be like trying to learn to play a musical instrument without practicing, attempting to master a language without speaking it, or claiming to be an outstanding artist or athlete based solely on theoretical understanding of the underlying principles of the field.

In previous offerings of first-year courses, we have discovered that attendance in labs and handing in assignments were a better predictor of final grades than were high school marks. Some students make the mistake of thinking that these components aren't important because they only account for 20% of the final grade, or that they can skip one assignment because it's worth so little. But an assignment question worth less than 1% of the final grade or a lab question worth

If labs and assignments are so important, why aren't there marks for labs and why aren't assignments weighted as a greater percentage of the final grade? Your final grade is supposed to be an indication of how after learning. Lecture of the learning process, so you don't receive marks for attendance. The assignments weighted as a greater percentage of the final grade? Your final grade is supposed to be an indication of how after learning. Lecture of the learning process, so you don't receive marks for attendance. The assignments weighted as a greater percentage of the final grade? Your final grade is supposed to be an indication of how after learning process, so you don't receive marks for attendance. The assignments weighted as a greater percentage of the final grade? Your final grade is supposed to be an indication of how after learning process, so you don't receive marks for attendance. The assignments are done of the final grade? Your final grade is supposed to be an indication of how after learning process, so you don't receive marks for attendance. The assignments are done of the final grade? Your final grade is supposed to be an indication of how after learning process, so you don't receive marks for attendance at the learning process, so you don't receive marks for attendance. The assignment is a supposed to be an indication of how after learning process, so you don't receive marks for attendance. The assignment is a supposed to be a supposed to be an indication of how after learning process, so you don't receive marks for attendance. The assignment is a supposed to be a supposed to be

3 Lectures

We've tried to create a white light protein that did fitte last Sourse outline. Instead of having a fixed set of slides for each lecture, we've grouped slides into thematic units we call lecture modules, with only a rough idea of how long we will take to cover each one. That way, if you ask a lot of questions, we don't have to rush over subsequent mitorial to catchup with a ticking lick.

The instructors work from the same set of lecture notes though each will say different things, and possibly write different examples on the board (or overhead projector, or data projector). If you have to miss your lecture, it is better to attend another lecture than not attend any that day. However you should be away that as the step is new form the projector, or data projector). If you have to miss your lecture, it is better to attend another lecture than not attend any that day. However you should be away that as the step is new your projector, or data projector). If you have to miss your lecture, it is better to attend another lecture than not attend any that day. However you should be sure that you are not taking a seat from someone who is legitimately enrolled in that section.

For possibly the first time in your ife to one is forcing you to go to lectures. There is no mark for class participation, and attendance will be taken farely, if ever. You are free to not attend. This honour system is built on the assumption that this freedom will be exercised responsibly. Other aspects of this assumption include the assumption that students will complete the required work on time, as deadlines are firmed to be the required work on time, as deadlines are firmed to be the required work on time.

You may be tempted to skip lecture because these handouts include the text of all lecture slides; surely you can do just as well reading them? If we thought that, we wouldn't be lecturing. The slides are like basic musical chords over which we improvise a melody; the chords alone do not make up the whole song. Not everything is written down on the slides. It's not that we've deliberately left things out; it's just that we don't design the slides to be the sole source of learning, but rather as an aid in lecturing.

The handouts contain the text of the slides so that you don't need to scribble madly while we display them. That frees up your time so that you can take proper notes on what we say in class. We've seen students write down only what we write on the board, or not write anything down at all, figuring that the slides do all their work for them. That's a mistake; you can't possibly remember all of what is said in all of the lectures you will attend during a term. Taking notes helps fix information in your long-term memory, keeps you active, and allows you to preserve insights that you gain during the course of a lecture.

Going to lectures reserves three hours of dedicated time each week during which you are thinking about course material, with the aid of someone who understands it thoroughly. It's a rare stu-

dent who is disciplined enough to skip lectures and adequately substitute for that experience. Of course, not every minute of lectures is "implify limits but you will you will you re missing if you don't attend. Take something discreet to do (like your math homework or a good novel) during the stretches where there's an extra example of something you already understand, and make sure you keep one eye an good on't do anything that might annoy or distration on't let your cell phone ring, don't rustle food wrappers loudly, and don't play

4 The textbo

CS 115 wouldn't exist in a weight for our textbook, "How to Design Programs". CS is not a field blessed with an abundance of good textbooks, due to its very short history and the ever-changing nature of the curriculum. This is one of the few books we can wholeheartedly recommend. The lectures are designed or vectoral that was a light that was a light to be used for reference, to be looked at only when you run into trouble on an assignment. That will only increase the amount of time you'll need part your work to be used for reference, to be looked at only when you run into trouble on an assignment. That will only increase the amount of time you'll need part your work to be used for reference, to be looked at only when you run into trouble on an assignment. That will only increase the amount of time you'll need part your work to be used for reference, to be looked at only when you run into trouble on an assignment.

On occasion, we will use the same examples in lectures as in the textbook, illustrating different aspects. More often, we will use different examples, and at times, we will "parallel" the book by covering the same content aspects different anguage Shi different approach. Sometimes, we will go more in depth than the textbook (it assumes eighth-grade knowledge of mathematics, and we can expect better than that of you) and sometimes we will skim a topic, leaving the details to the readings. But the textbook always informs and directs queefforts.

The textbook is available on-line, but we recommend that you buy a physical copy. Paper has more psychological weight; you will be more inclined to take your readings seriously, and get more out of them, than if you view them on a screen. It's quite unusual for the publisher to agree to such an arrangement; neither the street the authors are easy making any money from it. Since the book is so integral to the course, we're not going to change books; used copies will be available for you to purchase if you act fast, and you in turn can sell your copy to next year's students.

5 Labs

On your schedule is a weekly lab, a time when you can work on exercises under the guidance of a tutor or teaching assistant. Each lab meeting will be a mixture of instruction and an opportunity to practice. You can view the exercises as warm-ups for assignments, on which you can work with others, ask for feedback on partially-completed work, and otherwise work out the bugs without worrying about being assessed.

If you need more time to complete the lab exercises, there are free times when the lab is open. The free times for a lab room are posted on the door of the lab. Course personnel will be happy to answer your questions during office hours as well. Assignment and exam questions often build on lab exercises, so it is well worth the time to make sure you complete and understand them all.

The only exception to this is the optional, open-ended questions at the end of each lab. These are provided as a opportunity for enrightness 11 150 CS in the end of each lab.

If you are extremely fast at completing the lab exercises (including the optional, open-ended questions), you can use the rest of the time to start on your homework assignments. It is a good way to get into the highest the property of the time to start on your homework assignments. It is a good way to get into the highest the property of the time to start on your homework assignments. It is a good opportunity to be able to have assignments are computed as a computer (at office hours, you don't have the property of the time to start on your homework assignments. It is a good way to get into the highest the property of the property

Details on how to details of the first of th

In past offerings of the course, students who have not completed the labs have found the assignments difficult. This is not surprising, as the assignments have been created based on the expectation that previous labs were completed. Don't make the course more difficult for you by expecting to be able to expected the course more difficult for you by expecting to be able to expect the front leatures to assignments without the intermediate step of lab work.

6 Assignment Project Exam Help

It is on assignments that poor work habits may be most obvious, since programming, approached incorrectly, can quickly lectraela timesulf. Of possible to spend factor much time on CS assignments, because it's easy to believe that you're really close to a solution and the next change you make to your program will have it running perfectly. Hours go by before you realize it. Don't waste your time grinding a yay are presented fryelf feet you're not making progress, go on to another question, or even switch to working on another course, and come back later. We've had students say, "I can't find an example in the textbook that looks like this assignment question". We try not to ask assignment questions that look like examples, because we want you to be able to write programs from scratch, not just input to ramples that you don't fully understand.

Some students try to do CS assignments by looking at the assignment for the first time while sitting in front of their computer. They read the first question and immediately start to write a program. We'd like to suggest a more productive approach. Read the assignment away from your computer, and think about how you might solve the questions. The lectures and the textbook teach something called the **design recipe**. This is a process to go through in writing a Scheme function or set of functions to solve a problem. The authors of the textbook came up with the design recipe by observing students in the lab and noticing when and how they ran into difficulties, and what worked to help overcome their difficulties. We encourage you to use the design recipe by assigning marks to its various components (since they help us to see that you understand what you are doing). You can, of course, get your program running and then put in all the components worth marks afterwards. But following the process properly will save you time and reduce frustration. In CS 115, the programs you have to write are usually quite small; most of your time should be spent on thought.

The design recipe may include templates, which are function skeletons derived from data definitions. Students report that the assignments took half as much time when they used the templates

as we suggest. Finally, we usually specify an **interface**, which is nothing more than the function headers (name and parameter jist) of each main function for artificial specific deprectly. This prevents you from losing marks when our automarking software can't find your answer because you spelled the name of your function incorrectly. Use this, plus the appropriate template, as a starting point when y the starting point when y th

Public tests are averaged with the ments and most lab questions. To request a public test, submit your work as the Guide, and then follow the instructions on the Public Tests page. You will the cating whether your work passed certain trivial checks, such as having the right tests are not a replacement for your the marking of as Indication of the more thorough testing that we will use for the marking of as Indication of the more thorough testing that we will use flawless. Failing public tests, however, may mean that you have not submitted your work correctly or that you might be otherwise in danger of losing all marks for what might be a trivial error.

We have scheduled assignments (roughly one per week) so that the work is spread out evenly across the term. You are welcomplete the assignments either on your own computer or at free time in the Mac labs. This allows you to start each assignment shortly after finishing the previous assignment, putting in a solid but not excessive amount of time. You then have time to set it aside and come back a injusting the previous assignment, putting in a solid but not excessive amount of time. You then have time to set it aside and come back a injusting the previous assignment shortly after finishing the previous assignment shortly after finishing the previous assignment, putting in a solid but not excessive amount of time. You then have time to set it aside and come back a injusting the previous assignment shortly after finishing the previous assignment as a sign of the previous assignment as a sign of the previous assignment as a sign of

You should try to complete the whole stiglifiers, so if it forms out that You don't have time to do it all, submit what you have, even if it is incomplete. You will still get written feedback from the markers, and you may get some marks as well. When you skip an assignment, you are likely to find the next one more difficult. De your set to avoid skipping assignments, and make sure you have a sense of how to be each question, even if you don't submit each one. Finally, when you get back your assignments, don't just glance at the mark and toss it aside. Learn from your mistakes by reading the comments in conjunction with model solutions and post mortems.

Model solutions will be posed out detay fundal Canne (MC 4065) immediately after each assignment is due. In some cases several alternate solutions will be presented. Study these to make sure you understand the material; this will pay off on later assignments and on exams. This is true even for students who receive perfect marks, as even a solution that has no obvious flaw might be able to be improved in elegance or other attributes. If nothing else, knowing how to find a shorter solution will be of great benefit on exams.

Post mortems will be posted to the Web site after each assignment and exam has been marked. They contain listings of common errors found by the markers as well as tips on how to improve future work. Reading post mortems is a good way to ensure that you don't repeatedly lose marks for the same mistake.

7 The midterm exam

The midterm exam has a diagnostic purpose: they give you feedback on what you thought you understood (but didn't) and what you thought you didn't understand (but did). Having a chance to

take an exam before the final also gives you an indication of what that experience might be like. As with assignments, if we continue them on the portent against the final grade, and so their value is lost. So the midterm account for a modest fraction of the final grade.

Midterm question that will take too mu have a computer to use the answer of to write it down. You also won't have a computer to use the answer of to write it down. You also won't make a computer to use the answer of to write it down. You also won't meaning we can't ask you questions for which yet that a process of discovery and refinement (as we can on assignments). We would be a process of discovery and refinement (as we can on a down memorized definitions. Obviously, you need to know the syntax of S that understanding by the process of terms and phrases that we use. But we will test that understanding by the process of terms and phrases that we use. But we will test that understanding by the process of terms and phrases that we use. But we will test that understanding by the process of terms and phrases that we use. But we will test that understanding by the process of terms and phrases that we use. But we will test that understanding by the process of the process

The best way to do well on the midterm is to learn the material as it is presented in class and exercised in labs und on assignments. It helps to plan for exam study as part of your weekly schedule. Start preparing review sheets as your transmitted and the than waiting until right before an exam. During the midterm exam period, there is a temptation to neglect all courses except the one with the next exam; if you do this, you may find yourself behind and unable to catch up. Your studying should have first preparing in the textbook of all endy assigned in large out complete answers. Course personnel will be happy to answer any questions you encounter along the way.

We recommend not using midterms from past years as study guides. Each term, we create midterms from scratch, and the course tides charge from year to lead. Resolutions may give you a misleading sense of what this term's tests will be like. As with assignments, we won't ask you to do things that are just minor tweaks on lecture examples; we try to design questions that test deeper understanding. We also becommend to Grand the left tide as minute. This type of study results in shallow, easily-forgotten-understanding of a sort inappropriate to CS 115. Cramming works best when you have to repeat definitions and do things nearly identical to what you've already done, and we're not going to ask you exam questions like that.

1A midterm mark art prock (a Lancotices, Gealta hey're the first confirmation that grades tend to be lower in university than in high school. We don't plan it that way, but we're probably asking more of you than your high school did, so it makes sense. We don't have a predetermined average or failure rate in mind, and we will not adjust the marks with a "bell curve" or any other method, unless we feel that a test was somehow flawed. We try to design tests that are good indicators of the necessary breadth and depth of knowledge. Typical midterm averages in first-year CS courses are between 65% and 75%.

Don't let a low mark throw you. Examine your study and work habits, with the advice of an instructor or tutor, and see what you can do to improve the results of the next test. As a significant fraction of your mark is based on the final, you have adequate opportunity to improve your performance.

Don't let a high mark lead you to become complacent and slack off. CS 115 gets harder as the term progresses (most courses do, since later material can build on earlier material). But the course is designed so that students can do well if they approach it correctly.

8 The final exam 程序代写代做 CS编程 辅导

Most of the comments we made above about the midterm also apply to the final exam, but there are some key differences. The final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most as an indication of how the final exam back, so there is no classically above about the midterm also apply to the final exam, but there are some key differences. The final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indication of how the final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indication of how the final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indication of how the final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indicated as an indication of how the final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indicated as a final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indicated as a final exam isn't diagnostic, but straight assessment. For that reason, it makes up the most are indicated as a final exam isn't diagnostic, but straight assessment are indicated as a final exam isn't diagnostic, but straight as a final exam isn't diagnostic as a

You should appro the same fashion that we recommended you approach the midterm: start early, the same fashion that we recommended you approach the

In order to pass the state of the course website show: The Grading page also gives detailed information on how your final grade will be calculated.

9 Final grad WeChat: cstutorcs

You'd think that there wouldn't be much to do once the final exam is over: enter the grades into the spreadsheet and submit the final marks. But we have to make sure that the marks reflect what we know of the students with wood we'letter in contact we go over the spleadsheet looking for anomalies (for example, students who have good marks up until the final exam). We also go over the exams of all students with computed final marks between 46 (sometimes lower) and 49, looking for evidence that they depend to puts of filing retord has a distressingly common pattern: little or no work on assignments and poor lab attendance.

The exam marks are a crucial part of your mark. As noted above, in order to pass the course, you must pass the weighted exam mark. The Grading page on the course website shows how this weighted exam mark is calculated. The Grading page also gives detailed information on how your final grade will be calculated.

10 Getting helpting: Attalogic Sugem

10.1 Sources of assistance

We encourage you to ask course personnel for help. The tutors have regular office hours, as do each of the instructors; the tutors answer e-mail sent to the course account, and the instructors will answer personal e-mail. Generally, office hours are not used enough, except perhaps right before an assignment is due. Note that course personnel tend to be available during the day; if you like to work late at night, that's okay, but be warned that help is generally not available at that time.

Getting help from fellow students can be problematic. While we encourage you to talk about ideas learned in lecture or from the book, you should avoid asking others about specific questions on assignments. You might find yourself accused of plagiarism, which we discuss in the next section.

10.2 Plagiarism 程序化层化性 CC绝积 描足

Plagiarism is the act of tepresenting someone else's work as your own. Some students do this deliberately, believing that getting a good mark on an assignment by copying from a friend is more important than doing the work themselves to learn the material. This will hurt them on the midterm and final exam, which eir final grade. But it also hurts other students, because the plagiarist has ear the plagiarist has

For this reason, United the lagainst plagiarism. The course Web page contains a pointer to UW's Student retained Each line Policy. The standard penalty for plagiarism in all CS courses is a zero on the assignment or exam, a deduction of at least 5% in the final mark, and a letter to the Associate Dean for Undergraduate Affairs to be placed in your file; penalties are more severe for repeat of the standard penalty for plagiarism in all CS courses is a zero on the assignment or exam, a deduction of at least 5% in the final mark, and a letter to the Associate Dean for Undergraduate Affairs to be placed in your file; penalties are more severe for repeat of the standard penalty for plagiarism.

Some students inadvertently stray into plagiarism by not being careful when they talk with others. Confine such discussions to high-level overviews of general concepts, not details of how to solve specific questions. Do not take hots during such discussions, and when you write on type up the ideas, use your own words and phrases. A good way to make sure that your write-up is different from others' is to leave some time between the discussion and the write-up (planning for this has the nice side tenging getting yout or your control of earlier). Don't look at someone else's programs written for an assignment, or show your programs to someone else. Don't search on the Web or in books other than the textbook for answers to assignment questions, or even for hints.

The penalty is applied equally to these who ase answers supplied by others and to those who supply the answers. "Helping" a friend by showing them your assignment is not only unfair to others and a violation of academic rules, but it will also result in your being penalized along with your friend. Don't do https://tutorcs.com

11 Summary

Surviving CS 115 isn't like running an obstacle course; it's more a matter of applying common sense. Look for the reasons behind everything you're asked to do in the course – if you can't figure them out, ask an instructor or tutor, who should be able to answer your questions – and keep those reasons foremost in your mind as you do your work. It's important to us that you not only get through the course, but that you enjoy yourself and see the material as interesting and valuable.